

DUBITSKIY, L.G.; GRITSEVICH, G.V., inzh., retsenzents; CHECHEL'NITSKIY,  
M.I., inzh., retsenzents; KOLETINA, A.V., inzh., red.;  
GORDEYEVA, L.P., tekhn. red.

[Radio methods of production control] Radiotekhnicheskie  
metody kontrolya izdeliy. Izd.2., perer. 1 dop. Moskva,  
Mashgiz, 1963. 350 p. (MIRA 17:3)

DUBITSKIY, L.G.; CRITSEVICH, G.V., inzh., retsenzent;  
CHECHEL'NITSKIY, M.I., inzh., retsenzent; KOLETINA,  
A.V., inzh., red.; GORDEYEVA, L.P., tekhn.red.

[Radio engineering methods in production control] Radio-  
tekhnicheskie metody kontrolla izdelii. Izd.2., perer. i  
dop. Moskva, Mashgiz, 1963. 350 p. (MIRA 17:1)

KOLETIRKIN, I.

"Conditions of Moscom's gas supply and its perspectives; also, remarks by B. Mory and F. Valy."

p. 420 (Energia Es Atomtehnika) Vol. 10, no. 8/10, Dec. 1957  
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

KOLETSKAYA, M.L.

Biology of vipers. Priroda 45 no.5:101-102 Ky '56. (MLBA 9:8)

1. Darvinskiy zapovednik.  
(Serpents)

KOLETSKIY

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820013-5

POLAND / Acoustics. Electroacoustics and Engineering Acoustics.

J-6

Abs Jour : Ref Zhur - Fizika No 3, 1957, No 7526

Author : Dryanskiy, Koletskiy

Title : Recording of Sound on Color Film Copies

Orig Pub : Kinotechnik, 1956, 9, No 96, 1973-1975

Abstract : A popular description of the features of the "phonogram" obtained by various methods of production of colored motion picture films.

Experience Gathered by an Oxygen Station of the  
Yefremov Plant SK

SOV/67-58-4-7/29

preparation and distribution of the lye solution in both apparatus. From the table in which the outputs attained by these devices are compared it may be seen that, after the aforementioned changes and improvements had been carried out at this oxygen station, the duration of periods of operation (1440 instead of 480 hours) and also the periods during which oxygen was extracted (1397 instead of 428 hours) were approximately increased to treble their former amount. The useful coefficient of work was increased from 89% to 97%. There are 1 figure and 1 table.

Card 2/2

1. Oxygen—Production
2. Industrial equipment—Design
3. Industrial equipment—Performance
4. Industrial plants—Operation

KOLEV, A.

"Conference for Exchanging Experiences." p. 2,  
(ZDRAVEN FRONT, No. 51, Dec. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

KOLEV, A.

Advantages of steam boilers for ships. p.44.  
(TRANSPORTNO DELO Vol. 7, no. 6, 1955, Sofia)

SO: Monthly List of East European Accessions, (HEAL). LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.

KOLEV, A.

"Causes of the breaking of springs of railroad cars and methods for their elimination."

p.19 (Transportno Delo, Vol. 10, no. 3, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958



1. KOLEV, A.P.
2. USSR (600)
4. Docks
7. Sectional method for constructing the hulls of reinforced concrete unloading platforms, Rech.transp. 13 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

KOLEV, C.

Determination of the composition of concrete. p. 1.

Vol. 2, no. 6, 1955

STROITELSTVO

Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

VOINOV, Zh.; KOLEV, D.

Correct manuring of tobacco. Izv Inst "Nikola Pushkarov" no.2:57-66  
'62.

KOLEV DIMITUR

BULGARIA/Cultivated Plants. Cereals.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 7759C.

Author : Popov, Pavel; ~~Kolev, Dimitur~~

Inst : Ministry of Agriculture and Forestry.

Title : Investigation of Comparative Productivity of  
Branched Wheat (*Triticum turgicum compositum* -  
Local Variety), and Soft Winter Wheat (*Triticum*  
*vulgare* var. *ferrugineum* - Okermann Variety).

Orig Pub: Nauchn. tr. M-vo zemed. i gorite. Ser. rasteniyevodstvo,  
1957, 2, No 6, 1-14.

Abstract: Data of comparative experiments and investigations  
of the Agricultural Scientific-Research Institute  
in Sofia and Cherpan and of experimental stations.  
With all variants, the harvest of branched wheat

Card : 1/2

KOLEV, D.Kh., kand. sel'skokhoz. nauk (Narodnaya Respublika Bolgariya)

Results of vegetative and vegetative sexual hybridization of wheat  
with rye. Agrobiologia 5:761-765 3-0 '64. (MIRA 17:11)

1. Vysshiy sel'skokhozyaystvennyy institut, kafedra rasteniyevodstva,  
Plovdiv.

KOLEV, D.: STOIANOV, V.

"Tanns in basket willows in relation to the age of the willow and the season when the bark is removed"

Khimia i industriia. Sofia, Bulgaria. Vol. 30, no. 3, 1958

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

*KOLEV D.*  
Effect of a complex bond on the reactivity of organic compounds. II. Chlorination of *o*-toluidine. *Ad. Denkov, I. Pecharikov, and D. Kolev, Compl. rend. Acad. Bulg. Sci. 13, 203-4 (1968) (in Bulgarian); cf. Ch 33, 1903d.*  
—The title reaction was studied by chlorination of *o*-H<sub>2</sub>NCH<sub>2</sub>Me as a complex with metal org. salt in 95% or abs. EtOH, CHCl<sub>3</sub> with a little or no H<sub>2</sub>O, or in Et<sub>2</sub>O from CCl<sub>4</sub>. By this reaction 2,6-dichloro-3-methyl-1,4-benzodioxane (I), 2,4,6-trichloro-1-methyl-1,4-cyclohexadiene-3-one (II), double salt of 6-chloro-3-aminotoluene-HCl with copper chloride (III), 6-chloro-3-aminotoluene sulfate (IV), and 6-chloro-3-aminotoluene were prepd. Thus, dried Cl<sub>2</sub> was bubbled through 10 g. dried (Cu/H<sub>2</sub>N.

4  
1 - *Ad* (6w)  
1 - *Ad* (NB)

KONSTANTINOV, L.; KOLEV, D. (Sofiya)

Preparation of ether-valerian tincture in large-scale production.  
Apt. delo 10 no.3:85 My-Je '61. (MIRA 14:7)  
(VALERIAN)

CIA-RDP86-00513R000723820013



AKHTARDZHIYEV, Kh.; KOLEV, D. (Sofiya)

Study of the composition of a mucous substance in flores *Tiliae*  
*argenteae*. Apt. delo 10 no.6:78-82 N-D '61. (MIRA 15:2)  
(LINDEN)

VARTANIAN, A.; MANOLOV, A.; PERFANOV, G.; KOLEV, D.; MILIANCHEV; GULUBOV,  
St.; KOSTIANEV, St.

Spring soil tilling, and its influence on the development,  
yield and quality of tobacco. Izv Inst tiutium BAN 1:73-118  
'61.

BULGARIA

BANKOVA, S.: PAPANIZOV, A.: KOLEV, Dim.

Sofia, Farmatsiya, No. 1, Jan-Feb 1963, pp 14-15

"The Increased Proteolytic Activity of Pancreas  
Preparation."

(3)

POPOV, Pavel; KOLEV, Dimitur; BOYADZHIEVA, Dora; VANCHEV, Nikola

Possibilities of introducing some new Italian varieties  
of wheat. Selskostop nauka 2 no.5/6, 534-543 '63.

KOLEV, E.

Reconstruction and Development of the Heavy Industry in the Korean  
People's Republic. Minno Delo (Mining), #2:94:Feb 55

KOLEV, E.

Development of the Mining, Metallurgical and Petroleum Industry in  
the Rumanian People's Republic. Minno Delo (Mining), #2:100:Feb 55

KOLEV, E.

Mexican Useful Minerals as a Prey of USA Monopolies. Minno Delo  
(Mining), #2:102:Feb 55

KOLEV, E.

Brief Information. Minno Delo. (Mining), #2:104:Feb 55



KOLEV, G.

"Conditions for selecting the type of diesel locomotive to be used in Bulgaria."

p. 13. (Transportno Delo, Vol. 10, No. 4, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec 58

KOLEV, G.

Why the safety jackets of cylinders crack and how their use may be justified.  
p.21.

(TRANSPORTNO DELO Vol. 7, no. 1, 1955, Sofiya)

SO: Monthly List of East European Accessions, (EEAL). LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.

KOLEV, G.

Kolev, G. Utilization of liquid fuel in steam locomotives. p. 11. TRANS-  
PORTNO DELO. Sofiya. Vol. 7, no. 6, 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.

KOLEV, G., inzh.

Two methane explosions abroad, and their moral. Min delo 17  
no.12:41-44 D '62.

1. Otdel "Vuglishta, neft i gaz" pri Komiteta po promishle-  
nostta.

KOLEV, Georgi

Results of summer pruning in growing one-year old low-stemmed  
apple and pear nursery stock. Selskostop nauka 2 no.8:968-976  
1963

VASILEV, Vasil, inzh.; KOLEV, Georgi, inzh.

Results from the use of new types of irrigation equipment. Khidrotekh  
i melio 7 no.10:314-315 '62.

KOLEV, Iv.

A symposium on the use of herbicides. Selakestop nauka 1 no.7/8:882-  
883 '62.

KOLEV, Iv.

On the prospectives of new deposits of coal in the Balkan Mountains  
Coal Field. Min dalo 16 no.11:3-7 '61.

1. Gl. geolog na Balkanskata prouchvatelna brigada.

(Coal)



BULGARIA/Weeds and Their Control.

N.

Abs J ur : Ref Zhur - Biol., No 15, 1958, 68463

cultivation. Of the annual weeds the varieties with a longer vegetative period were most effectively removed through soil cultivation, giving way to species which form seeds rapidly. -- O.P. Medvedeva

Card 2/2

- 5 -

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CIA-RDP86-00513R000723820013-5

COUNTRY : BULGARIA  
 CATEGORY : Weeds and Weed Control. N  
 ABS. JOUR. : RZhBiol., No. 3, 1959, No. 11204  
 AUTHOR : Kolev, I. D.  
 INET. : Institute of Plant Growing, Bulgarian AS.  
 TITLE : Weeds of the Pulse Family Prevalent in Bulgaria.  
 ORIG. PUB. : Izv. In-ta rasteniyev"dstvo. B"lg. AN, 1954, kn. 5, 125-143.  
 ABSTRACT : The following weeds of the pulse family have been found in Bulgaria: vetch, vetchling, melilot, clover, alfalfa, trigonella, peas, birdsfoot trefoil, meadow clover and milk vetch. Encountered as weeds are 49 species of 10 genera out of which 23 species are of foremost importance. In addition, there were found as weeds: Trifolium Balancae Boiss., T. resupinatum L., T. nigrescens, T. Moliniery B., T. orbicularis All. After the plowing-up of a number of meadows and pastures in the northern regions of the country, these weeds become the contaminators of the grain crops. It is recommended to destroy them in the sowings of the latter by the herbicide 2,4-D. — L. D. Stonov

KOLEV, K.

"Capital investments in the ore-mining industry."

p. 43 (Minno Delo, Vol. 13, no. 2, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,  
September 1958

KOLEV, K., inzh.; MINKOV, M., inzh.; SAFUNDZHIEV, V.

How we reconstructed the 50-ton open-hearth gas furnace of the Lenin Metallurgic Plant into a mazut-fueled one. Min delo 17 no.9:34-37 S '62.

1. Metalurgicheski zavod "Lenin".

POPSAVOV, A.; KOLEV, K.

Diagnostic possibilities with the use of a domestic  
tomofluorograph. Suvr. med. (Sofia) 15 no.2:42-47 '64

KOLEV, Koliu, inzh.

Continuous cleaning of condenser tubes with rubber balls.  
Elektroenergiia 14 no.2:27-28 F '63.

GAITANDZHIEV, Georgi; KOLEV, Kol'o; OGNIANOV, Dimitur, KHRISTOPOROV,  
Liubomir.

Quality of the anthrax vaccine produced in Bulgaria, and  
results of its application after the Max Sterne method.  
Selskostop nauka 1 no.10:1131-1140 '62.

STOYCHEV, Lyuben Iv. [Stoichev, Liuben IV], dots., arkhitektor, doktor  
landshaftnogo iskusstva; KOLEV, K.M., inzh. [translator];  
KORDUNYAN, N.N. [translator]; BOGOYAVLENSKIY, Kirill, red.

[Parks and landscaping] Parkovoe i landshaftnoe iskusstvo.  
Sofia, Zemizdat, 1962. 385 p. Translated from the Bulgarian.  
(MIRA 16:2)

(Parks) (Landscape architecture)

KOLEV, K.S.

Metallorazhushchii instrument i ego ratsionao'noe ispol'zovanie. Dzaudzhikau ,  
Gos. izd-vo Severo-Osetinskoi ASSR, 1948. 71 p. diagrs.

Bibliography: p. (70)

The metal-cutting tool and its efficient use.

DLC: TJI230.K7

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library  
of Congress, 1953.



KOLEV, K. S.

Kolev, K. S. "Transverse vibration of smooth cylindrical parts machined between centers,"  
Trudy Sev.-Kavk. gorno-metallurg. in-ta, Issue 6, 1949, p. 21-25

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

KOLEV, K. S.

Vibratsii pri obrabotke metallov rezaniem i mery bob'by s nimi. Dzendzhikau, Gosidat Severo-Osetinskoi ASSR, 1950. 108 p.

(Vibrations during metal-cutting operations and measures for their prevention.)

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

KOLEV, K.S.

~~SECRET~~  
Measuring deformation in the determination of residual stresses.  
Zav.lab.21 no.6:750 '55. (MIRA 8:9)

1. Severo-Kavkazskiy gorno-metallurgicheskiy institut  
(Strains and stresses) (Deformations (Mechanics))

SOV/124-57-4-4981

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 147 (USSR)

AUTHOR: Kolev, K. S.

TITLE: On the Problem of the Stress Analysis of Cutting and Boring Tools  
(K voprosu rascheta reztsov i sverl na prochnost')

PERIODICAL: Tr. Severo-Kavkazsk. gorn-metallurg. in-ta, 1956, Nr 12, pp 80-103

ABSTRACT: Bibliographic entry

Card 1/1

KOLEV, K.S., dots., kand. tekhn. nauk.

Effect of temperature on the precision of machined parts.

Vest.mash. 38 no.10:64-66 0 '58.

(MIRA 11:11)

(Metal cutting)

25(1)

PHASE I BOOK EXPLOITATION SOV/2598

Kolev, Konstantin Stepanovich

Novyye metody obrabotki metallov rezaniyem (New Methods of Metal Cutting) Moscow, Izd-vo "Znanyye," 1959. 29 p. (Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy. Seriya IV, 1959, Nr 14) 42,500 copies printed.

Sponsoring Agency: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy.

Ed.: T.F. Islankina; Tech. Ed.: Ye.V. Savchenko.

PURPOSE: This booklet is intended for workers and technicians in metal-cutting shops.

COVERAGE: Tool materials and their use are discussed, as well as metal-cutting machine tools and their modernization. The modern methods used in metal-cutting technique (the fastening of carbide blades, selection of tool geometry, group machining, etc.)

Card 1/2

KOLEV, K.S., kand.tekhn.nauk, dots.; KOLEV, N.S., kand.tekhn.nauk, dots.

Dynamic rigidity of the system machine tool-attachment-cutting  
tool-workpiece. Vest.mash. 40 no.2:50-53 F 60. (MIRA 13:5)  
(Metal cutting)

1100

25239

S/122/60/000/002/009/018  
A161/A130

AUTHORS: Koley, K. S.; Koley, N. S.; - Candidates of Technical Sciences,  
Docents

TITLE: The dynamic rigidity of the technological system

PERIODICAL: Vestnik mashinostroyeniya, no. 2, 1960, 50 - 53

TEXT: A new method is suggested for determining the dynamic rigidity of machine tools or their separate component elements, in view of the inadequacy of the two methods being used - statical and shop method. The authors point out that the system machine tool - attachment - tool - workpiece ("SPID", abbreviation for "stanok - prispособleniye - instrument - detal'") are working under varying dynamic loads, and in statical rigidity determination the test is by applying constant loads to machine tools standing idle. The "proizvodstvennyy method" (shop method) is also not perfect. The essence of the suggested new method is the use of a dynamic factor,  $\mu$ , which is determined empirically [Ref. 5: K. S. Koley, Opredeleeniye progibor i uprogikh otzhatly rezaniya, (Determination of bending and elastic receding of a workpiece under the dynamic effect of the cutting force), Trudy Severo-Kavkazskogo gorno-metallurgicheskogo instituta, vyp. 14, 1957]. The dynamic factor

Card 1/3



The dynamic rigidity of the technological system

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A161/A130

had been determined in an experimental investigation, mainly on lathes, and measured with a mechanical BP-1 (VR-1) vibrograph and an electric dynamometer. The frequency and period of the workpiece vibration, static receding ( $f_{cm}$ ), vibration amplitude ( $\Delta f$ ), dynamic receding ( $f_d = f_{cm} + \Delta f$ ) and the dynamic factor

$\mu = \frac{f_d}{f_{cm}} = 1 + \frac{\Delta f}{f_{cm}}$  could be easily found from vibrograms and oscillograms. The  $\mu$  factor is varying in a wide range under the effect of different cutting conditions, tool geometry and holding of the workpieces on the machine tool. For instance, it varied from 1.151 to 1.610 in the turning process on a workpiece installed in centers with an increase in cutting from 8.9 to 289.18 m/min, and from 1.138 to 1.476 in turning process on a part attached in the chuck by one end and on the tailstock center by the other. It is recommended to use the following  $\mu$  values for vibration-free turning - 1.2 for finish turning, 1.3 for semi-finish, and 1.5 for rough. For turning with vibration  $\mu$  must be 2 or higher. As stated in investigations, the pulsations from the cutting forces and the not perfect rigidity of the machine tools make the bending and receding of the workpieces dynamic instead of static, and the receding increases with the increasing  $\mu$  factor. This applies not only to lathes but to all chip-removing machine tools, and particularly to machine tools

Card 2/3

The dynamic rigidity of the technological system

25239 S/122/60/000/002/009/018  
A161/A130

working with intermittent cutting with impacts. There are 6 figures and 5 Soviet-bloc references.

Card 3/3

KOLEV, Konstantin Stepanovich, dotsent, kand. tekhn. nauk; DASHEVSKIY, T.B.,  
kand. tekhn. nauk, red.; NIKIFOROVA, R.A., inzh., red.; GORNOSTAYPOL'-  
SKAYA, M.S., tekhn. red.

[Problems of precision in cutting metals] Voprosy tochnosti pri re-  
zanii metallov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.  
lit-ry, 1961. 131 p. (MIRA 14:9)

(Metal cutting)

KOLEV, K. S.

Doc Tech Sci - (diss) "Problems of precision in cutting metals."  
Moscow, 1961. 29 pp; (Ministry of Higher and Secondary Specialist  
Education RSFSR, Moscow Machine-Tool Inst imeni I. V. Stalin);  
200 copies; price not given; list of author's works on pp 28-29  
(21 entries); (KL, 6-61 sup, 211)

KOLEV, K.S., kand.tekhn,nauk, dotsent

Determining cutting conditions considering the dynamic rigidity  
of the technological system. Vest.mash. 42 no.1:64-66 Ja '62.  
(MIRA 15:1)

(Metal cutting)

KOLEV, K.S., kand.tekhn.nauk, dotsent

Determining errors in multitool machining on lathes. Vest.  
mashinostr. 42 no.5:73-74 My '62. (MIRA 15:5)  
(Turning)

KOLEV, K.S., kand.tekhn.nauk, dotsent

Effect of the gyroscopic effect on the precision of machining  
on lathes. Vest.mashinostr. 43 no.2:59-61 F '63. (MIRA 16:3)  
(Turning)

KOLEV, K.S., kand.tekhn.nauk, dotsent

Determining total error in automatic machining of parts. Vest.  
mashinostr. 44 no.1:71-73 Ja '64. (MIRA 17:4)



POPOV, G.; STOYKOV, M.; IVANOV, A.; GOSPODINOV, B.; SEDLOYEV, S.;  
STOYANOV, Ye.; VOLCHANOVA, S.; KOLEV, L.

Extracardial anastomoses in congenital and acquired heart  
defects in experiment. Khirurgia 36 no.3:38-41 Mr '60.

(HEART--SURGERY)

(MIRA 13:12)

CHAUSHEV, T.; VELEV, N.; KOLEV, L.

Tuberculum mulgentium as an occupational disease. Suvrem. med.,  
Sofia 7 no.4:117-121 1956.

1. Iz Okruzhnitsa kozhno-venerologichen dispanser--Stara Zagora  
(Gl. lekar: T. Chaushev)  
(VIRUS DISEASES,  
milker's nodes (Bul))

DIMITROV, D.; GENOV, Iv.; JORDANOV, I.; DAVIDOV, S.; KOLEV, L., inzh.;  
ZOGRAFOV, Iv., inzh.

Preliminary data on experimental studies on extracorporeal  
circulation with our apparatus. Khirurgia 15 no.9/10:895-899  
'62.

1. Iz Katedrata po propedavtika na khirurgichnite zaboliavania  
pri VMI [Vish meditsinski institut] - Sofia.  
(HEART MECHANICAL)

KOLEV, M.

KOLEV, M. Combined forage. p. 29

Vol. 11, no. 7, July 1956  
KOOPERATIVNO ZEMEDELIE  
AGRICULTURE  
Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

*Kolev, M.*

BULGARIA / Chemical Technology. Chemical Products and H  
Their Application. Leather. Fur. Gelatin.  
Tanning Materials. Industrial Proteins.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33675.

Author : Ivanov, D., Kolev, M.

Inst : Not given.

Title : Obtaining Hydrogen Sulfide and Carbon Dioxide  
Absorbors by the Alkaline Hydrolysis of Waste  
Albuminous Substances.

Orig Pub: Tozhka promishlonost, 1957, 6, No 10, 18-23.

Abstract: The application of amino acids as absorbing  
agents may be substituted by mixtures of nat-  
ural amino acids, obtained by an alkaline hy-  
drolysis of albuminous substances - horny kor-  
atin (alkacido PA); the properties of the latter  
are similar to the properties of the alkacide  
DIK. -- Ye. Stefanovskiy.

Card 1/1

310

KOLEV, M., inzh.; KOLAROVA, M., inzh.

Preparation of a new highly-effective light filler in Bulgaria.  
Stroitelstvo 11 no.5:9-12 S-O '64.

KOLEV, N.

Reasons for the Bleaching of Materials Stained with Sulfureous Dyes.  
Heavy Industry, #12:48:Dec. 55

KOLEV, N.

Conference on Coke Production in Our Country, Heavy Industry, #12:60:Dec. 55



KOLEV, N.

New Books about Technical Standardization in the Coal Industry. Heavy  
Industry, #12:64:Dec. 55

KOLEV, N.

Automatic hydroelectric power plants. p. 9.  
ELEKTROENERGIJA, Sofiya, Vol. 6, no. 3/4, Mar./Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

COUNTRY:	: Bulgaria	H-6
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 5 1960, No.	18386
AUTHOR	: Kolev, N.	
INST.	: Not given	
TITLE	: Studies on the Production of A Liquid Foaming agent for Fire-Fighting Applications	
ORIG. PUB.	: Khimiya i Industriya (Bulgaria), 31, No 2, 39-44 (1959)	
ABSTRACT	: No abstract.	

CARD: 1/1

APPROVED FOR RELEASE: 09/17/2001; KOLEV, N. CIA-RDP86-00513R000723820013-5"

Coal dressing, a means of cost reduction in industrial  
production. Min delo 18 no. 2:16-20 F '63.

KRUSTINOV, G., prof.; KAZANDZHIEV, R.; KOLEV, N.; BELEV, V.; TONEV, B.

Our experience with the use of a film-forming substance in the treatment of burns. Khirurgia 17 no.2:150-152 '64.

1. Iz Visshia voennomeditsinski institut, Sofia.

STOYEV, St. (Narodnaya Respublika Bolgariya); KOLEV, H. (Narodnaya Respublika Bolgariya); TOPANAROV, V. (Narodnaya Respublika Bolgariya)

Determining the distribution of components by classes in coal slime.  
Ugol. 37 no.7:52-53 JI '62. (MIRA 15:7)  
(Bulgaria--Coal--Classification)

KOLEV, H.; KILIMOVA, L.; ZHUROVSKA, N.

Oxidation of ethylene up to ethylene oxide. Khim i industriia 34  
no.2:64-69 '62.

KOLEV, N.; KURTEVA, R.

Radial chromatography of sulfuric dyes. Khim i industriia 34 no.3:89-91 '62.

LOPOVOK, L.M. (Khmel'nitskiy, SSSR); KOLEV, N. [translator]

Studying the space geometric points in schools. Mat i fiz Bulg  
5 no.3:24-32 My-Je '62.



LOPOVCK, L.M. (Khmel'nitskiy, SSSR); KOLEV, N. [translator]

Using the materials of the 22d Congress of the CPSS in lessons  
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Country : BULGARIA  
Category : Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour : RZhBiol., No 6, 1959, No 24910

Author : Koley, N.  
Inst : "G. Dimitrov" Agricultural Institute.  
Title : A Nest Method of Growing Winter Garlic.

Orig Pub : Selskostop. mis"1, 1957, 2, No. 12, 731-739

Abstract : Experimental results of the Vegetable-Cultivation Chair of the "G. Dimitrov" Agricultural Institute (Bulgaria) in 1954-1956 on planting garlic by separate cloves, half heads and whole heads of various dimensions. It is recommended to plant garlic by half heads into nests at a distance of 30 x 10 cm, removing the small cloves; to hill the plants for the increase of the etiolated part of the false stalk with a view

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No 1

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507/4221

PLATE I BOOK EXTRACTATION

Bovocharsan. Poltshchinskii Institut

Labyr mekhanicheskogo fabul'teta (Works of the Division of Mechanics) [Bovocharsan] 1956. 203 p. (Series: Its: Truly, com 90) Errata slip inserted. 2,000 copies printed.

Editorial Board: V.P. Mikhaylov (Resp. Ed.), Candidate of Technical Sciences, Docent; A.M. Pyatitskiy, Professor; P.M. Vinogradov, Candidate of Technical Sciences, Docent; I.M. Gerasimov, Candidate of Technical Sciences, Docent; F.P. Klonchko, Candidate of Technical Sciences, Docent; B.M. Serin, Candidate of Technical Sciences, Docent; A.A. Anisimov (Resp. Secretary), Candidate of Technical Sciences, Docent; Tech. Ed.: P.J. Sayator.

**PURPOSE:** This book is intended for technical personnel in mechanical engineering. **CONTENTS:** This collection of works deals with investigations of internal combustion engines, metal cutting, gears, resistance-type strain gages, and wear of machine parts. No personalities are mentioned. References accompany most of the articles.

**Abstracts:** 1. **Printed in the Metal-Cutting Process** 107

The author reviews some of the data available on this subject and presents the results of an investigation of the effect of cutting depth and speed, feeds, and tool angles on the cutting process. He concludes that in metal cutting the molecular interaction between cutting-tool and work surfaces has a great effect on the consumption of energy and tool wear.

**2. Load-Carrying Capacity of Toothed Gears Made of D2-4 "Duralplastik"** 117

The author presents a summary of results of a set of experimental investigations conducted on a specially built test installation in order to determine the effect of number of teeth, velocity ratio, and circumferential velocity on the performance of a pair of gears with one gear made of steel and the other of D2-4 "duralplastik." The maximum circumferential velocity pressure (6/cm of the tooth width) under which no appreciable wear or failure occurred was used as a criterion in determining gear load-carrying capacity.

**3. Performance of the Wire Grid of a Resistance-Type Strain Gage in a Zone of High Temperatures** 131

The effect of temperature on the resistance of a strain-gage wire is investigated. Results show that the rate of change in the resistance is a function of time and heating temperature. It decreases with time and becomes stable when held for 6 hours at 150°C.

**4. Effect of the Shape of the Wire Grid of a Resistance-Type Strain Gage on the Gage Factor** 139

Effects of gage base, nonparallelism of grid wires, deformation of wires and part being tested, and the number of grid loops on the gage factor are investigated. Results show that for the same gage factor the change in the number of loops between the limits of 6 and 18 has very little effect on the gage factor.

**5. Ways of Improving Load Capacities of Screw Mechanisms and Machine Parts.** 159

The wear of screw mechanisms made of brass, steel, iron, and babbittite with square and trapezoidal screw threads is investigated. Results show that the use of a modified cast iron bearing in place of brass and the replacement of square threads by trapezoidal will increase the wear resistance.

**6. Method of Designing Hypoid Gears With Circular Tooth Form** 171

The method described reduces design calculations and may be used in the design of hypoid gears with a spiral angle equal to zero.

**7. (Assistant Professor, Department of the Theory of Mechanisms and Machine Parts).** 191

The author presents the results of a theoretical investigation of the processes of loosening of bolted joints subjected to vibratory loads.

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AUTHORS: Kolev, K. S.; Kolev, N. S. - Candidates of Technical Sciences,  
Docents

TITLE: The dynamic rigidity of the technological system

PERIODICAL: Vestnik mashinostroyeniya, no. 2, 1960, 50 - 53

TEXT: A new method is suggested for determining the dynamic rigidity of machine tools or their separate component elements, in view of the inadequacy of the two methods being used - statical and shop method. The authors point out that the system machine tool - attachment - tool - workpiece ("SPID", abbreviation for "stanok - primposobleniya - instrument - detal'") are working under varying dynamic loads, and in statical rigidity determination the test is by applying constant loads to machine tools standing idle. The "proizvodstvennyy method" (shop method) is also not perfect. The essence of the suggested new method is the use of a dynamic factor,  $\mu$ , which is determined empirically [Ref. 5: K. S. Kolev, Opredeleeniye progibor i uprogikh otzhatiy rezaniya, (Determination of bending and elastic receding of a workpiece under the dynamic effect of the cutting force), Trudy Severo-Kavkazskogo gorno-metallurgicheskogo instituta, vyp. 14, 1957]. The dynamic factor

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The dynamic rigidity of the technological system

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had been determined in an experimental investigation, mainly on lathes, and measured with a mechanical BP-1 (VR-1) vibrograph and an electric dynamometer. The frequency and period of the workpiece vibration, static receding ( $f_{cm}$ ), vibration amplitude ( $\Delta f$ ), dynamic receding ( $f_d = f_{cm} + \Delta f$ ) and the dynamic factor  $\mu = \frac{f_d}{f_{cm}} = 1 + \frac{\Delta f}{f_{cm}}$  could be easily found from vibrograms and oscillograms. The  $\mu$  factor is varying in a wide range under the effect of different cutting conditions, tool geometry and holding of the workpieces on the machine tool. For instance, it varied from 1.151 to 1.610 in the turning process on a workpiece installed in centers with an increase in cutting from 8.9 to 289.18 m/min, and from 1.138 to 1.476 in turning process on a part attached in the chuck by one end and on the tailstock center by the other. It is recommended to use the following  $\mu$  values for vibration-free turning - 1.2 for finish turning, 1.3 for semi-finish, and 1.5 for rough. For turning with vibration  $\mu$  must be 2 or higher. As stated in investigations, the pulsations from the cutting forces and the not perfect rigidity of the machine tools make the bending and receding of the workpieces dynamic instead of static, and the receding increases with the increasing  $\mu$  factor. This applies not only to lathes but to all chip-removing machine tools, and particularly to machine tools

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working with intermittent cutting with impacts. There are 6 figures and 5 Soviet-bloc references.

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